



SEQUENCE LISTING

<110> Sally A. Leong
Mark L. Farman

<120> Cultivar Specificity Gene from the Rice
Pathogen Magnaporthe grisea, and Methods of Use

<130> WARF P98067WO

<140> US 09/257,585

<141> 1999-02-25

<150> US 60/075,925

<151> 1998-02-25

<160> 14

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 1047

<212> DNA

<213> Magnaporthe grisea

<400> 1

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aaagagggtat	ttaagcgaag	atttggcatt	tttttaatcc	atttttaaaa	aaatacatct	180
gctttaaccc	acctttgcc	agggtaaccg	gctagcatag	ccttggttac	caaaaacggc	240
taaagctgtc	gatctatact	acattcggcg	ctctgaacaa	ctaagcaaca	gcgaggagat	300
cacaccctaa	atcatgctgc	tagtaatgcg	atataatggc	caaacaacgt	actagaaatg	360
actaataagt	accagtcga	gtcaacttgc	tgtagtatta	tatttaacga	agcgtccatt	420
tactgccagg	gcaagtttat	caatgggacc	agtgttctcc	ctcctctgga	caactcagtt	480
ctttgcaaac	gctagacagt	ctacctctct	gccaccattt	ttacttttca	aaaattttact	540
ccttgccgct	actgaaactt	ctacaattga	aagagcccac	aatgaaagtc	caagctacat	600
tcgccaccct	tatcgccctt	gcggcttact	ttccagcagc	caatgcttgg	aaagattgca	660
tcatacaacg	ttataaagac	ggcgaatgca	acaacatata	tactgccaat	aggaacgaag	720
agataactat	tgagggaatat	aaagtcttcg	ttaatgaggc	ctgccatccc	taccagtta	780
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agtcttggtg	atcaataaga	gtccagggtg	aaaaattcgc	caccatggta	atagagggtt	900
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tattagaagc	aggacaaatt	tacggcaata	gcaaccaatt	gtccttgtct	atggattcgc	1020
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<211> 45

<212> PRT

<213> Magnaporthe grisea

<400> 2

<210> 3
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<400> 3
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 1 5 10 15
 Ala Arg Gln Ser Thr Ser Leu Pro Pro Phe Leu Leu Phe Lys Asn Leu
 20 25 30
 Leu Leu Ala Ala Thr Glu Thr Ser Thr Ile Glu Arg Ala His Asn Glu
 35 40 45
 Ser Pro Ser Tyr Ile Arg His Pro Tyr Arg Pro Cys Gly Leu Leu Ser
 50 55 60
 Ser Ser Gln Cys Leu Glu Arg Leu His His Pro Thr Leu
 65 70 75

<210> 4
 <211> 89
 <212> PRT
 <213> Magnaporthe grisea

<400> 4
 Met Lys Val Gln Ala Thr Phe Ala Thr Leu Ile Ala Leu Ala Ala Tyr
 1 5 10 15
 Phe Pro Ala Ala Asn Ala Trp Lys Asp Cys Ile Ile Gln Arg Tyr Lys
 20 25 30
 Asp Gly Asp Val Asn Asn Ile Tyr Thr Ala Asn Arg Asn Glu Glu Ile
 35 40 45
 Thr Ile Glu Glu Tyr Lys Val Phe Val Asn Glu Ala Cys His Pro Tyr
 50 55 60
 Pro Val Ile Leu Pro Asp Arg Ser Val Leu Ser Gly Asp Phe Thr Ser
 65 70 75 80
 Ala Tyr Ala Asp Asp Asp Glu Ser Cys
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<210> 5
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 <212> PRT
 <213> Magnaporthe grisea

<400> 5
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 1 5 10 15
 Phe Val Pro Ile Gly Ser Ile Tyr Val Val Asp Ile Ala Val Phe Ile
 20 25 30
 Thr Leu Asp Asp Ala Ile Phe Pro Ser Ile Gly Cys Trp Lys Val Ser
 35 40 45
 Arg Lys Gly Asp Lys Gly Gly Glu Cys Ser Leu Asp Phe His Cys Gly
 50 55 60
 Leu Phe Gln Leu
 65

<400> 6
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 Tyr Leu Leu Val Ile Ser Ser Thr Leu Phe Gly His Tyr Ile Ala Leu
 20 25 30
 Leu Ala Ala
 35

<210> 7
 <211> 34
 <212> PRT
 <213> Magnaporthe grisea

<400> 7
 Met Arg Pro Ala Ile Pro Thr Gln Leu Tyr Phe Pro Thr Asp Arg Ser
 1 5 10 15
 Phe Leu Ala Ile Leu His Gln Leu Thr Leu Thr Thr Met Ser Leu Val
 20 25 30
 Asp Gln

<210> 8
 <211> 54
 <212> PRT
 <213> Magnaporthe grisea

<400> 8
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 1 5 10 15
 Tyr His Gly Cys Ser Ser Ala Ile Gly Ile Leu Glu Ala Gly Gln Ile
 20 25 30
 Tyr Gly Asn Ser Asn Gln Leu Ser Leu Ser Met Asp Ser Pro Val Glu
 35 40 45
 Trp Arg Arg Arg Arg Ile
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<210> 9
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 <212> DNA
 <213> Magnaporthe grisea

<400> 9
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<210> 10
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 <213> Magnaporthe grisea

<400> 10
 ctagacagta cctctctgcc a 21

<210> 11

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<211> 27
<212> DNA
<213> Magnaporthe grisea

<400> 12
ccagcagcca aagctttgga aagattg 27

<210> 13
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<212> DNA
<213> Magnaporthe grisea

<400> 13
caacgtacta gaaatggagt aataagtacc 30

<210> 14
<211> 30
<212> DNA
<213> Magnaporthe grisea

<400> 14
ggtacttatt agtccatttc tagtacgttg 30